GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:3153
ANSWERED ON:04.08.2016
Generation of Solar and Wind Energies
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Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the details of targets fixed and achieved for generation of energy from solar and wind in the country during each of the last three years and the current year, State-wise;
(b) the subsidy provided by the Government to the States and Private Companies for the said purpose during the said period, State-wise;
(c) whether the Government has identified sites which show great potential for setting up of wind energy projects in the country;
(d) if so, the details thereof, State-wise;
(e) the total energy output, estimated by the Government that will be obtained from these wind energy projects; and
(f) the estimated decrease on the dependence of traditional sources of power?

Answer

MINISTER OF STATE FOR POWER, COAL , NEW & RENEWABLE ENERGY & MINES (SHRI PIYUSH GOYAL)
(a):State-wise targets are not fixed. However, year-wise targets for solar and wind in last three years and current year are given below:-
Year Solar
(in MW)
Cumulative Wind
(in MW)
2013-14 1100 2500
2014-15 1100 2000
2015-16 2000 2400
2016-17 17000
4000
State-wise solar power and wind power capacities installed during each of the last three years and the current year are given at Annexure-I and Annexure-II respectively.
(b): No Capital subsidy is provided for wind power projects. Details of funds released during last three years and the current year for solar and wind power programmes are as under:

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Year Total funds released
(Rs. Crore)
Solar Wind
2013-14 692.28 300
2014-15 1158.19 566
2015-16 3146.24 214
2016-17
(as on 30.6.2016) 779.96 365
In few programmes of solar energy, state-wise funds are released. State-wise and year-wise details are given at Annexure-III.
(c) and (d): Yes, Madam. Government has estimated potential of 302 GW for wind energy at 100 meter above ground level. State-wise details are given at Annexure-IV.
(e): The Government has targeted to achieve 60 GW of wind power capacity in the country by 2022. Considering the normative Capacity Utilisation Factor of 22%, the estimated power to be generated from 60 GW wind capacity will be around 115 billion units per year.
(f): The power generated from 60 GW wind capacity will be equivalent to 16.5 GW of traditional thermal power capacity considering 80% Plant Load Factor.
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